

Converting Colors

XYZ(31.6411, 16.3461, 10.2364)

Have a look what the booklet for
XYZ(31.6411, 16.3461, 10.2364)
contains.

XYZ(31.6555, 16.3581, 10.2931)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(31.6555, 16.3581,
10.2931)**

Conversions

Conversions Part 1

Format	Color
Hex	DD0E56
RGB	221, 14, 86
RGB Percent	87%, 5%, 34%
CMY	0.1333, 0.9449, 0.6627
CMYK	0.00, 0.94, 0.61, 0.13
HSL	339°, 88%, 46%
HSV	339°, 94%, 87%
XYZ	31.6555, 16.3581, 10.2931
YIQ	84.1010, 100.2600, 66.2760

Conversions

Conversions Part 2

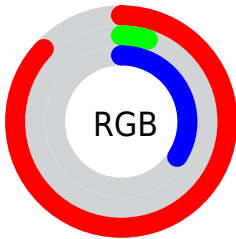
Format	Color
RYB	221, 14, 86
Decimal	14487126
CIELab	47.44, 73.13, 18.27
CIElCh	47, 75.379, 14.029
Yxy	16.3581, 0.5429, 0.2806
Android (android.graphics.Color)	4292677206 (0xFFDD0E56)
YUV	84.1010, 0.9362, 120.0604
Hunter-Lab	40.4451, 68.9289, 13.2226

Details

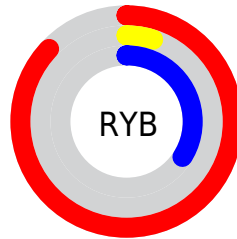
The XYZ color **31.6555, 16.3581, 10.2931** is a dark color, and the websafe version is hex **FF3366**. The color can be described as dark washed red. A complement of this color would be **31.4660, 53.9774, 37.2106**, and the grayscale version is **8.4358, 8.8751, 9.6649**.

A 20% lighter version of the original color is **49.6159, 31.0147, 26.2931**, and **14.5185, 7.4363, 2.8606** is the 20% darker color. If you saturate the color by 10%, you get **31.1526, 15.9056, 8.4201**, and if you desaturate by 10%, it is **32.7742, 17.5705, 13.8265**.

Distribution



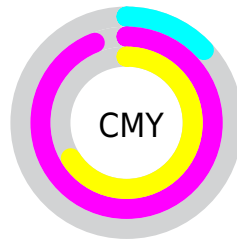
- Red (87%)
- Green (5%)
- Blue (34%)



- Red (87%)
- Yellow (5%)
- Blue (34%)



- Cyan (0%)
- Magenta (94%)
- Yellow (61%)
- Black (13%)





- Cyan (13%)
- Magenta (94%)
- Yellow (66%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 31.6555, 16.3581, 10.2931 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 31.6555, 16.3581, 10.2931 by changing the saturation by 10% instead.

 31.6555, 16.3581,
10.2931


 31.6555, 16.3581,
10.2931


301.3202,
231.4456, 203.3116


 21.2528, 9.7779,
5.4856


 61.6395, 37.2188,
26.9617


 13.4224, 5.2520,
2.4712


 81.9514, 52.2680,
39.6599


 7.7991, 2.3958,
0.8248


 106.2972, 70.9091,
55.8255

 4.0174, 0.8237,
0.0000

 135.0421, 93.5264,
75.8768

 1.7120, 0.0000,
0.0000

 168.5515,
120.5043, 100.2326

 0.4637, 0.0000,
0.0000

 207.1907,

 0.0000, 0.0000,

152.2272, 129.3113

0.0000

251.3252,
189.0795, 163.5314

■ 31.6555, 16.3581,
10.2931

■ 31.6555, 16.3581,
10.2931

■ 31.1526, 15.9056,
8.4201

■ 32.7742, 17.5705,
13.8265

■ 34.4286, 19.6564,
18.1484

■ 36.6912, 22.7509,
23.3128

■ 39.6217, 26.9649,
29.3673

■ 43.2725, 32.3945,
36.3555

■ 47.6905, 39.1254,
44.3178

■ 52.9183, 47.2354,
53.2918

■ 58.9956, 56.7964,
63.3133

■ 65.9591, 67.8749,
74.4159

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



31.4746, 16.3581, 29.9862



31.6555, 16.3581, 10.2931



26.7457, 16.3581, 2.5194

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



31.6555, 16.3581, 10.2931



8.2143, 16.3581, 2.2872



12.2716, 16.3581, 81.8485

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



31.6555, 16.3581, 10.2931



31.4660, 53.9774, 37.2106

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



8.0145, 16.3581, 57.6193



31.6555, 16.3581, 10.2931



6.1731, 16.3581, 9.4788

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



31.6555, 16.3581, 10.2931



12.6347, 16.3581, 0.6057



6.1124, 16.3581, 28.3116



18.8776, 16.3581, 82.7449

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



31.6555, 16.3581, 10.2931



21.8856, 16.3581, 0.9808



6.1124, 16.3581, 28.3116



10.5696, 16.3581, 75.6615

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



31.6559, 16.3591, 10.2933



69.7352, 59.9501, 67.8456



25.5236, 11.8842, 69.3548



14.2718, 11.8196, 13.3895



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



31.6559, 16.3591, 10.2933



43.0291, 21.9756, 11.3512



30.8397, 17.2871, 2.1282



13.2420, 13.1259, 14.5358



18.1455, 9.2592, 5.1463



1.2154, 0.6158, 0.5434

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



31.6559, 16.3591, 10.2933



43.0291, 21.9756, 11.3512



31.6366, 42.1217, 74.8690



13.2420, 13.1259, 14.5358



18.1455, 9.2592, 5.1463



1.2154, 0.6158, 0.5434

Previews

White Background



This preview shows how the XYZ color 31.6555, 16.3581, 10.2931 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 31.6555, 16.3581, 10.2931 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 31.6555, 16.3581, 10.2931

Background



This preview shows how black text looks on a background with the XYZ color 31.6555, 16.3581, 10.2931.



This preview shows how white text looks on a background with the XYZ color 31.6555, 16.3581,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

31.6555, 16.3581, 10.2931

Protanopia

16.4169, 16.8016, 21.7798

Deuteranopia

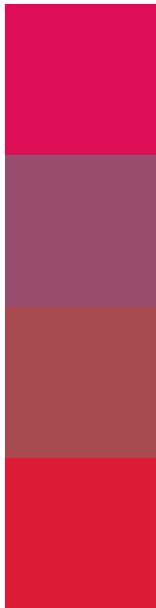
16.9615, 16.7073, 9.3520



Tritanopia

30.1330, 16.4373, 3.0979

Trichromacy



Original Color

31.6555, 16.3581, 10.2931

Protanomaly

18.4720, 13.1309, 16.5999

Deuteranomaly

19.8331, 13.6922, 9.1870

Tritanomaly

30.5731, 16.3032, 4.9036

Monochromacy



Original Color

31.6555, 16.3581, 10.2931

Achromatopsia

8.4267, 8.8656, 9.6546

Achromatomaly

13.0352, 8.8521, 9.6159

CSS Examples

Text

The CSS property to change the color of the text to XYZ 31.6555, 16.3581, 10.2931 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(221, 14, 86)` looks like.

```
.text, #text, p{  
    color:rgb(221, 14, 86)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(221, 14, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 14, 86) }
```

Border

The CSS property to change the border of an element to XYZ 31.6555, 16.3581, 10.2931 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(221, 14, 86) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(221, 14, 86) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(221, 14, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 14, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 14, 86);  
box-shadow:4px 4px 4px 4px rgb(221, 14,  
86) }
```

Background

The CSS property to change the background color of an element to XYZ 31.6555, 16.3581, 10.2931 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 14, 86) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(221, 14,  
86) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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